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Product Change Notification - JAON-08RMMS268

Date: 25 Nov 2016

Product Category: Touch Sensing Technologies; 16-bit Microcontrollers and Digital Signal Controllers; Analog (Linear & Mixed Signal) AND Interface; 8-bit Microcontrollers

Notification subject: CCB 2697.001/.002/.003/.004 Final Notice: Qualification of CuPdAu wire in selected products of the 150K and 160K wafer technologies available in 28L QFN-S, 28L, 20L, and 16L QFN packages at MTAI site.

Notification text: **PCN Status:**
Final notification

Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CPN.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of palladium coated copper with gold flash (CuPdAu) bond wire in selected products of the 150K and 160K wafer technologies available in 28L QFN-S (6x6mm), 28L QFN (6x6mm), 20L QFN (4x4mm), 16L QFN (4x4mm) and 16L QFN (3x3mm) packages at MTAI assembly site.

Pre Change:

Using gold (Au) bond wire

Post Change:

Using gold (Au) bond wire or palladium coated copper with gold flash (CuPdAu) bond wire

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	MTAI assembly site	MTAI assembly site
Wire material	Au wire	Au wire or CuPdAu wire
Die attach material	3280	3280
Molding compound material	G700LTD	G700LTD
Lead frame material	C194	C194

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability and qualify Palladium coated copper with gold flash (CuPdAu) bond wire

Change Implementation Status:
In Progress

Estimated First Ship Date:
January 25, 2017 (Date code: 1704)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

	July 2016				->	November 2016				->	January 2017			
	27	28	29	30		44	45	46	47		1	2	3	4
Workweek														
Initial PCN Issue Date			X											
Qual Report Availability								X						
Final PCN Issue Date								X						
Estimated Implementation Date													X	

Method to Identify Change:
Traceability code

Qualification Report:
Please open the attachments included with this PCN labeled as PCN_#_Qual Report.

Revision History:
November 25, 2016: Issued final notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):
[PCN_JAON-08RMMS268_Qual Report.pdf](#)
[PCN_JAON-08RMMS268_Affected CPN.pdf](#)
[PCN_JAON-08RMMS268_Affected CPN.xls](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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JAON-08RMMS268 - CCB 2697.001-.004 Final Notice: Qualification of CuPdAu wire in selected products of the 150K and 160K wafer technologies available in 28L QFN-S, 28L, 20L, and 16L QFN packages at MTAI site.

Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
AR1010-I/ML
AR1010T-I/ML
AR1011-I/ML
AR1011T-I/ML
AR1020-I/ML
AR1020T-I/ML
AR1021-I/ML
AR1021T-I/ML
DSPIC30F1010-20E/MM
DSPIC30F1010-30I/MM
DSPIC30F2010-20E/MM
DSPIC30F2010-20I/MM
DSPIC30F2010-30I/MM
DSPIC30F2010T-20E/MM
DSPIC30F2010T-20I/MM
DSPIC30F2010T-30I/MM
DSPIC30F2010T-30V/MMA31
DSPIC30F2011-20E/ML
DSPIC30F2011-20I/ML
DSPIC30F2011-30I/ML
DSPIC30F2012-20E/ML
DSPIC30F2012-20I/ML
DSPIC30F2012-30I/ML
DSPIC30F2012T-30I/ML
DSPIC30F2020-20E/MM
DSPIC30F2020-30I/MM
DSPIC30F2020T-30I/MM
MCP23016-I/ML
MCP23016T-I/ML
MCP23017-E/ML
MCP23017T-E/ML
MCP23S17-E/ML
MCP23S17T-E/ML
MCP4231-103E/ML
MCP4231-104E/ML
MCP4231-502E/ML
MCP4231-503E/ML
MCP4231T-103E/ML
MCP4231T-104E/ML
MCP4231T-502E/ML
MCP4231T-503E/ML
MCP4241-103E/ML
MCP4241-104E/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
MCP4241-502E/ML
MCP4241-503E/ML
MCP4241T-103E/ML
MCP4241T-104E/ML
MCP4241T-502E/ML
MCP4241T-503E/ML
MCP4251-103E/ML
MCP4251-104E/ML
MCP4251-502E/ML
MCP4251-503E/ML
MCP4251T-103E/ML
MCP4251T-104E/ML
MCP4251T-502E/ML
MCP4251T-503E/ML
MCP4261-103E/ML
MCP4261-104E/ML
MCP4261-502E/ML
MCP4261-503E/ML
MCP4261T-103E/ML
MCP4261T-104E/ML
MCP4261T-502E/ML
MCP4261T-503E/ML
MCP4331-103E/ML
MCP4331-104E/ML
MCP4331-502E/ML
MCP4331-503E/ML
MCP4331T-103E/ML
MCP4331T-104E/ML
MCP4331T-502E/ML
MCP4331T-503E/ML
MCP4341-103E/ML
MCP4341-104E/ML
MCP4341-502E/ML
MCP4341-503E/ML
MCP4341T-103E/ML
MCP4341T-104E/ML
MCP4341T-502E/ML
MCP4341T-503E/ML
MCP4351-103E/ML
MCP4351-104E/ML
MCP4351-502E/ML
MCP4351-503E/ML
MCP4351T-103E/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
MCP4351T-104E/ML
MCP4351T-502E/ML
MCP4351T-503E/ML
MCP4361-103E/ML
MCP4361-104E/ML
MCP4361-502E/ML
MCP4361-503E/ML
MCP4361T-103E/ML
MCP4361T-104E/ML
MCP4361T-502E/ML
MCP4361T-503E/ML
MCP4431-103E/ML
MCP4431-104E/ML
MCP4431-502E/ML
MCP4431-503E/ML
MCP4431T-103E/ML
MCP4431T-104E/ML
MCP4431T-502E/ML
MCP4431T-503E/ML
MCP4441-103E/ML
MCP4441-104E/ML
MCP4441-502E/ML
MCP4441-503E/ML
MCP4441T-103E/ML
MCP4441T-104E/ML
MCP4441T-502E/ML
MCP4441T-503E/ML
MCP4451-103E/ML
MCP4451-104E/ML
MCP4451-502E/ML
MCP4451-503E/ML
MCP4451T-103E/ML
MCP4451T-104E/ML
MCP4451T-502E/ML
MCP4451T-503E/ML
MCP4461-103E/ML
MCP4461-104E/ML
MCP4461-502E/ML
MCP4461-503E/ML
MCP4461T-103E/ML
MCP4461T-104E/ML
MCP4461T-502E/ML
MCP4461T-503E/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
MCP4631T-103E/ML
MCP4631T-104E/ML
MCP4631T-502E/ML
MCP4631T-503E/ML
MCP4641T-103E/ML
MCP4641T-104E/ML
MCP4641T-502E/ML
MCP4641T-503E/ML
MCP4651T-103E/ML
MCP4651T-104E/ML
MCP4651T-502E/ML
MCP4651T-503E/ML
MCP4661T-103E/ML
MCP4661T-104E/ML
MCP4661T-104QE/ML
MCP4661T-502E/ML
MCP4661T-503E/ML
MCP4661T-503QE/ML
PIC16F505-E/MG
PIC16F505-I/MG
PIC16F505T-E/MG
PIC16F505T-I/MG
PIC16F506-E/MG
PIC16F506-I/MG
PIC16F506T-E/MG
PIC16F506T-I/MG
PIC16F526-E/MG
PIC16F526-I/MG
PIC16F526T-I/MG
PIC16F527-E/ML
PIC16F527-I/ML
PIC16F527T-I/ML
PIC16F570-E/ML
PIC16F570-I/ML
PIC16F570T-I/ML
PIC16F610-E/ML
PIC16F610-I/ML
PIC16F610T-E/ML
PIC16F610T-I/ML
PIC16F616-E/ML
PIC16F616-H/ML
PIC16F616-I/ML
PIC16F616T-E/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC16F616T-E/MLC07
PIC16F616T-I/ML
PIC16F616T-I/ML034
PIC16F616T-I/ML042
PIC16F616T-I/ML066
PIC16F627A-E/ML
PIC16F627A-I/ML
PIC16F627AT-I/ML
PIC16F628A-E/ML
PIC16F628A-I/ML
PIC16F628AT-E/ML
PIC16F628AT-I/ML
PIC16F630-E/ML
PIC16F630-I/ML
PIC16F630T-I/ML
PIC16F630T-I/ML079
PIC16F631-E/ML
PIC16F631-I/ML
PIC16F631T-I/ML
PIC16F636-I/ML
PIC16F636T-I/ML
PIC16F636T-I/ML037
PIC16F648A-E/ML
PIC16F648A-I/ML
PIC16F648AT-E/ML
PIC16F648AT-I/ML
PIC16F676-E/ML
PIC16F676-I/ML
PIC16F676T-I/ML
PIC16F677-E/ML
PIC16F677-I/ML
PIC16F677T-I/ML
PIC16F677T-I/ML035
PIC16F677T-I/ML037
PIC16F684-E/ML
PIC16F684-I/ML
PIC16F684T-I/ML
PIC16F684T-I/ML065
PIC16F684T-I/ML070
PIC16F685-E/ML
PIC16F685-I/ML
PIC16F685T-E/ML
PIC16F685T-I/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC16F687-E/ML
PIC16F687-E/ML034
PIC16F687-I/ML
PIC16F687T-E/ML
PIC16F687T-I/ML
PIC16F688-E/ML
PIC16F688-I/ML
PIC16F688T-I/ML
PIC16F688T-I/MLAPL
PIC16F689-E/ML
PIC16F689-I/ML
PIC16F689T-E/ML
PIC16F689T-I/ML
PIC16F690-E/ML
PIC16F690-I/ML
PIC16F690T-E/ML
PIC16F690T-I/ML
PIC16F690T-I/MLC12
PIC16F72-E/ML
PIC16F72-I/ML
PIC16F72T-I/ML
PIC16F737-E/ML
PIC16F737-I/ML
PIC16F737T-I/ML
PIC16F73-E/ML
PIC16F73-I/ML
PIC16F73T-I/ML
PIC16F753-E/ML
PIC16F753-I/ML
PIC16F753T-I/ML
PIC16F767-E/ML
PIC16F767-I/ML
PIC16F767T-E/ML
PIC16F767T-I/ML
PIC16F76-I/ML
PIC16F76T-I/ML
PIC16F785-E/ML
PIC16F785-I/ML
PIC16F785-I/MLC15
PIC16F785T-E/ML
PIC16F785T-I/ML
PIC16F785T-I/ML045
PIC16F785T-I/ML047

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC16F785T-I/MLC15
PIC16F818-E/ML
PIC16F818-I/ML
PIC16F818T-I/ML
PIC16F819-E/ML
PIC16F819-I/ML
PIC16F819T-E/ML
PIC16F819T-I/ML
PIC16F873A-E/ML
PIC16F873A-I/ML
PIC16F873AT-I/ML
PIC16F876A-E/ML
PIC16F876A-I/ML
PIC16F876AT-E/ML
PIC16F876AT-I/ML
PIC16F87-I/ML
PIC16F882-E/ML
PIC16F882-I/ML
PIC16F882T-I/ML
PIC16F883-E/ML
PIC16F883-I/ML
PIC16F883T-E/ML
PIC16F883T-I/ML
PIC16F883T-I/ML031
PIC16F886-E/ML
PIC16F886-I/ML
PIC16F886T-E/ML
PIC16F886T-I/ML
PIC16F886T-I/MLC06
PIC16F88-E/ML
PIC16F88-I/ML
PIC16F88T-I/ML
PIC16F913-E/ML
PIC16F913-I/ML
PIC16F913T-I/ML
PIC16F916-E/ML
PIC16F916-I/ML
PIC16F916T-I/ML
PIC16F916T-I/MLC02
PIC16HV610-E/ML
PIC16HV610-I/ML
PIC16HV610T-I/ML
PIC16HV616-E/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC16HV616-I/ML
PIC16HV616T-E/ML
PIC16HV616T-I/ML
PIC16HV753-E/ML
PIC16HV753-I/ML
PIC16HV753T-I/ML
PIC16HV785-E/ML
PIC16HV785-I/ML
PIC16HV785T-E/ML
PIC16HV785T-I/ML
PIC16LF627A-I/ML
PIC16LF627AT-I/ML
PIC16LF628A-I/ML
PIC16LF628AT-I/ML
PIC16LF648A-I/ML
PIC16LF648AT-I/ML
PIC16LF72-I/ML
PIC16LF72-I/ML026
PIC16LF72T-I/ML
PIC16LF737-I/ML
PIC16LF73-I/ML
PIC16LF73T-I/ML
PIC16LF767-I/ML
PIC16LF767T-I/ML
PIC16LF76-I/ML
PIC16LF76T-I/ML057
PIC16LF818-I/ML
PIC16LF818T-I/ML
PIC16LF819-I/ML
PIC16LF819T-I/ML
PIC16LF873A-I/ML
PIC16LF873AT-I/ML
PIC16LF876A-I/ML
PIC16LF876AT-I/ML
PIC16LF87-I/ML
PIC16LF88-I/ML
PIC16LF88T-I/ML
PIC18F1220-E/ML
PIC18F1220-H/ML
PIC18F1220-I/ML
PIC18F1220T-I/ML
PIC18F1230-E/ML
PIC18F1230-I/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC18F1230-I/MLXXX
PIC18F1320-E/ML
PIC18F1320-H/ML
PIC18F1320-I/ML
PIC18F1320T-I/ML
PIC18F1330-E/ML
PIC18F1330-I/ML
PIC18F1330-I/MLXXX
PIC18F1330-ICD/ML
PIC18F2221-E/ML
PIC18F2221-I/ML
PIC18F2221T-I/ML
PIC18F2321-E/ML
PIC18F2321-I/ML
PIC18F2331-E/MM
PIC18F2331-I/MM
PIC18F2331T-I/MM
PIC18F2410-E/ML
PIC18F2410-I/ML
PIC18F2420-E/ML
PIC18F2420-I/ML
PIC18F2420T-E/ML
PIC18F2420T-I/ML
PIC18F2423-E/ML
PIC18F2423-I/ML
PIC18F2423T-I/ML
PIC18F2431-E/MM
PIC18F2431-I/MM
PIC18F2431T-E/MM
PIC18F2431T-I/MM
PIC18F2450-I/ML
PIC18F2450T-I/ML
PIC18F2480-E/ML
PIC18F2480-I/ML
PIC18F2480-I/MLC01
PIC18F2480T-E/ML
PIC18F2480T-I/ML
PIC18F2510-E/ML
PIC18F2510-I/ML
PIC18F2510T-E/ML
PIC18F2510T-I/ML
PIC18F2520-E/ML
PIC18F2520-I/ML

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Affected Catalog Part Numbers (CPN)

PCN_JAON-08RMMS268
CATALOG_PART_NBR
PIC18F2520T-I/ML
PIC18F2523-E/ML
PIC18F2523-I/ML
PIC18F2523T-I/ML
PIC18F2580-E/ML
PIC18F2580-I/ML
PIC18F2580T-E/ML
PIC18F2580T-I/ML
PIC18LF1220-I/ML
PIC18LF1230-I/ML
PIC18LF1320-I/ML
PIC18LF1320T-I/ML
PIC18LF1330-I/ML
PIC18LF2221-I/ML
PIC18LF2321-I/ML
PIC18LF2321T-I/ML
PIC18LF2331-I/MM
PIC18LF2331T-I/MM
PIC18LF2410-I/ML
PIC18LF2410T-I/ML
PIC18LF2420-I/ML
PIC18LF2420T-I/ML
PIC18LF2420T-I/ML025
PIC18LF2423-I/ML
PIC18LF2423T-I/ML
PIC18LF2431-I/MM
PIC18LF2431T-I/MM
PIC18LF2450-I/ML
PIC18LF2450T-I/ML206
PIC18LF2480-I/ML
PIC18LF2480T-I/ML
PIC18LF2510-I/ML
PIC18LF2510T-I/ML
PIC18LF2520-I/ML
PIC18LF2520T-I/ML
PIC18LF2523-I/ML
PIC18LF2523T-I/ML
PIC18LF2580-I/ML